

Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) EP 0 947 993 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
21.06.2000 Bulletin 2000/25

(51) Int. Cl.⁷: G11C 17/16

(43) Date of publication A2:
06.10.1999 Bulletin 1999/40

(21) Application number: 99101754.2

(22) Date of filing: 11.02.1999

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
Designated Extension States:
AL LT LV MK RO SI

• Becerra, Juan J.
Webster, New York 14580 (US)
• Morton, Christopher R.
Rochester, New York 14610 (US)

(30) Priority: 30.03.1998 US 50520

(71) Applicant: Xerox Corporation
Rochester, New York 14644 (US)

(74) Representative:
Grünecker, Kinkeldey,
Stockmair & Schwanhäusser
Anwaltssozietät
Maximilianstrasse 58
80538 München (DE)

(72) Inventors:
• Watrobski, Thomas E.
Penfield, New York 14526 (US)

(54) Fusible link circuit including a preview feature

(57) A fusible link circuit including a preview feature and a method for programming or calibrating therefore. The fusible link circuit includes a fusible link, including a threshold above which the fusible link will be forced to an open condition with the application of a threshold condition applied thereto and a circuit, coupled to the fusible link, including an input and an output, generating an output signal on the output in response to a signal being applied to the input, wherein the output signal provides an output state which simulates the open condition of the fusible link as a preview feature. The fusible link circuit includes the preview feature so that the output of any circuit, which must be calibrated, programmed, or have its output set to a predetermined value, can be simulated or previewed to determine whether the correct output is obtainable without destroying the fusible links.

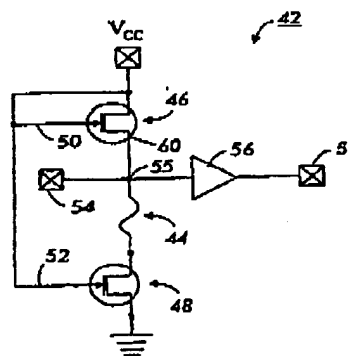


FIG. 3

EP 0 947 993 A3

EP 0 947 993 A3

European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 10 1754

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (In I.C.I.6)
X	EP 0 675 439 A (SGS THOMSON MICROELECTRONICS) 4 October 1995 (1995-10-04)	1-3	G11C17/16
Y	* column 4, line 6 - line 11 * * column 4, line 23 - line 37 * * column 5, line 11 - column 7, line 5 * * figure 4A *	8,9	
A	---	4-7,10	
Y	US 5 418 487 A (ARMSTRONG II GENE L) 23 May 1995 (1995-05-23) * the whole document *	8,9	
A	US 5 345 110 A (GILLIAM GARY R ET AL) 6 September 1994 (1994-09-06) * column 2, line 52 - column 3, line 27 * -----	1,5,8	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (In I.C.I.6)
			G11C
Place of search	Date of completion of the search	Examiner	
THE HAGUE	27 April 2000	Colling, P	
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document			

EPO FORM 180 (3.82) (P/C/C1)

EP 0 947 993 A3

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 99 10 1754

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-04-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0675439 A	04-10-1995	US 5517455 A	14-05-1996
		DE 69420389 D	07-10-1999
		DE 69420389 T	23-03-2000
		JP 7288078 A	31-10-1995
US 5418487 A	23-05-1995	NONE	
US 5345110 A	06-09-1994	NONE	

EPO FORM/POISE

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82